



# Standards *Actions*

## DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. If you wish to comment on a particular document, please notify your TSM. DOE documents sent for coordination during the past month are given below.

- *Supplementary Guidance and Design Experience for DOE Fusion Safety Standards*, SAFT-0059, (Steve Herring, INEL, 208-525-9497, [sth@inel.gov](mailto:sth@inel.gov)).
- *Risk-Based Prioritization of DOE Activities*, MISC-0022, (Kenneth P. Ferlic, DP-45, 301-903-6703, [Kenneth.Ferlic@dp.doe.gov](mailto:Kenneth.Ferlic@dp.doe.gov)); comments due November 4, 1996.

## Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-1095-95, *Department of Energy Laboratory Accreditation Program for Personnel Dosimetry Systems*, December 1995.
- DOE-HDBK-3012-96, *Guide to Good Practices for Operational Readiness Reviews (ORR) Team Leader's Guide*, June 1996.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-2865.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) on the Internet. To date, 109 DOE technical standards have been placed on the Internet at the address shown at the bottom of this page.

The following DOE technical standards have recently been placed on the Internet:

- DOE-STD-1090-96, *Hoisting and Rigging*, September 1996.
- DOE-STD-1095-95, *Department of Energy Laboratory Accreditation Program for Personnel Dosimetry Systems*, December 1995.

- DOE-STD-3013-96, *Criteria for Preparing and Packaging Plutonium Metals and Oxides for Long-Term Storage*, September 1996.

## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards*

*Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Bethany Marks at 212-642-4948. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- ARI 370-86, *Sound Rating of Large Outdoor Refrigerating and Air-Conditioning Equipment* (new standard); comments due December 10, 1996.
- ASHRAE 142P, *Method for Determining and Expressing the Heat Transfer and Total Optical Properties of Fenestration Products* (new standard); comments due December 10, 1996.

## Technical Standards Program Document Status as of 10/31/96

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	57	19	2

**Total in process = 76**



- ASME OMa-S/G-1997, *Standards and Guides for Operation and Maintenance of Nuclear Power Plants* (supplement to ANSI/ASME OM-S/G-1994); comments due December 10, 1996.
- IEEE 848, *Standard Procedure for the Determination of the Ampacity Derating of Fire Protected Cables* (new standard); comments due November 27, 1996.
- IEEE 1300-1996, *Guide for Cable Connections for Gas Insulated Substations* (new standard); comments due November 27, 1996.
- IEEE 1310-1996, *Trial Use Recommended Practice for Thermal Cycle Testing of Form Wound Stator Bars and Coils for Large Generators* (new standard); comments due November 27, 1996.
- MH27.1, *Specification for Underhung Cranes and Monorail Systems* (revision of ANSI MH27.1-1981); comments due November 27, 1996.
- NB 23-1996, *National Board Inspection Code* (revision of ANSI/NB-23 1995); comments due December 10, 1996.
- NFPA 1-1997, *Fire Prevention Code* (revision of ANSI/NFPA 1-1992); comments due November 27, 1996.
- NFPA 31-1997, *Installation of Oil-Burning Equipment* (revision of ANSI/NFPA 31-1992); comments due November 27, 1996.
- NFPA 69-1997, *Explosion Prevention Systems* (revision of ANSI/NFPA 69-1992); comments due November 27, 1996.
- NFPA 101-1997, *Code for Safety to Life from Fire in Buildings and Structures* (revision of ANSI/NFPA 101-1994); comments due November 27, 1996.
- NFPA 471-1997, *Recommended Practice for Responding to Hazardous Materials Incidents* (revision of ANSI/NFPA 471-1992); comments due November 27, 1996.
- NFPA 1402-1997, *Guide to Building Fire Service Training Centers* (revision of ANSI/NFPA 1402-1992); comments due November 27, 1996.
- NFPA 1451-1997, *Fire Service Vehicle Operations Training Program* (new standard); comments due November 27, 1996.
- UL 8, *Standard for Safety for Foam Extinguishers* (revision of ANSI/UL 8-1990); comments due December 10, 1996.
- UL 299, *Standard for Safety for Dry Chemical Fire Extinguishers* (revision of ANSI/UL 299-1990); comments due December 10, 1996.
- UL 943A, *Standard for Safety for Leakage Current Protection Devices* (new standard); comments due November 27, 1996.
- UL 1093, *Standard for Safety for Halogenated Agent Fire Extinguishers* (revision of ANSI/UL 1093-1990); comments due December 10, 1996.

**The following newly published American National Standards are available from ANSI:**

- ANSI S3.6-1996, *Specification for Audiometers*.
- ANSI/ASME B30.18b-1996, *Stacker Cranes* (Top or Under Running Bridge, Multiple Girder with Top or Under Running Trolley Hoist); comments due December 10, 1996.
- ANSI/ASME B30.20a-1996, *Below-the-Hook Lifting Devices*; comments due December 10, 1996.
- ANSI/GPTC Z380.1-1995, *GPTC Guide for Gas Transmission and Distribution Piping Systems*.

**The following international standards are currently in coordination** (comment due dates follow each entry):

- 85/91/FDIS, *Draft IEC 1557-3 (Edition 1): Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 3: Loop impedance* - November 1, 1996.
- 96/47/FDIS, *Draft IEC 1558-1: Safety of power transformers, power supply units and similar - Part 1: General requirements and tests* - November 1, 1996.
- ISO/DIS 4126-2, *Safety devices for protection against excessive pressure - Part 2: Bursting disc safety devices* (revision of ISO 4126: 1981) - December 26, 1996.
- ISO/DIS 11612, *Clothing for protection against heat and flame - Test methods and performance requirements for industrial heat protective clothing* - December 12, 1996.
- ISO/DIS 12810, *Fluorocarbon refrigerants - Specifications and test methods* - December 5, 1996.
- ISO/DIS 13256-1, *Water-source heat pumps - Testing and rating for performance - Part 1: Water-to-air and brine-to-air heat pumps* - December 12, 1996.
- ISO/DIS 14163, *Acoustics - Guidelines for noise control by silencers* - December 19, 1996.
- ISO/DIS 14802, *Corrosion of metals and alloys - Guidelines for applying statistics to analysis of corrosion data* - December 12, 1996.
- prEN 54-2, *Fire detection and fire alarm systems - Part 2: Control and indicating equipment* (for information).
- prEN 54-11, *Fire Detection and fire alarm systems - Part 11: Manual call points* - January 22, 1997.
- prEN 54-13, *Fire detection and fire alarm systems - Part 13: System requirements* - January 15, 1997.
- prEN 9999 REVIEW, *Technical aids for disabled persons - Classification (ISO/DIS 9999: 1996)* - January 15, 1997.
- prEN 12494, *Building components and elements - In-situ measurement of the surface-to-surface thermal resistance* - January 15, 1997.
- prEN 12504, *Testing concrete - Cored specimens - Taking, examining and testing in compression* - January 15, 1997.
- prEN 12524, *Building materials and products - Energy related properties - Tabulated design values* - February 5, 1997.
- prEN 12567, *Industrial valve - Isolating valves for LNG - Specification for suitability and appropriate verification tests* - January 22, 1997.
- prEN ISO 13819-1, *Petroleum and natural gas industries - Off-shore structures - Part 1: general requirements (ISO 13819-1: 1995)* - January 28, 1997.

**The following newly published international standards are available from ANSI:**

- ISO 5658-2: 1996, *Reaction to fire tests - Spread of flame - Part 2: Lateral spread on building products in vertical configuration*.
- ISO 6946: 1996, *Building components and building elements - Thermal resistance and thermal transmittance - Calculation method*.

- ISO 11042-2: 1996, *Gas turbines - Exhaust gas emission - Part 1: Measurement and evaluation*.
- ISO 11074-1: 1996, *Soil quality - Vocabulary - Part 1: Terms and definitions relating to the protection and pollution of the soil*.

## American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept., SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9692. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9743 (FAX 610-832-9666). ASTM is developing a World Wide Web home page. The current version can be visited at <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

**The following ASTM standards are currently in coordination:**  
(the due date for all items is November 10, 1996).

- New Standard, *Test Method for Flow of Freshly Mixed Hydraulic Cement Concrete* (Ref. Z5376Z).
- New Standard, *Specification for Glass Fiber Reinforced Gypsum Composites* (Ref. Z4552Z).
- New Standard, *Test Methods for Evaluating Masonry Bond Strength* (Ref. Z4154Z).
- New Standard, *Specification for Precast Autoclaved Aerated Concrete High-Precision Wall Construction Units* (Ref. Z6481Z).
- New Standard, *Guide for Painting Inspectors (Concrete and Masonry Substrates)* (Ref. Z4026Z).
- New Standard, *Practice for Aquatic Toxicity Testing of Lubricants: Sample Preparation and Results Interpretation* (Ref. Z6460Z).
- New Standard, *Test Method for Room Fire Test of Wall and Ceiling Materials* (Ref. Z2536Z).
- New Standard, *Guide for Determining Uses and Limitations of Deterministic Fire Models* (Ref. Z6173Z).
- New Standard, *Specification for Daytime Pedestrian Visibility Enhancement* (Ref. Z4771Z).
- New Standard, *Method for Calibration of Thermocouples by Comparison Techniques* (Formerly E 220-86).
- New Standard, *Guide to Comparison of Waste Site and Background Soil Data* (Ref. Z4140Z).
- New Standard, *Guide for Selecting and Using Ecological Endpoints for Contaminated Sites* (Ref. Z4909Z).
- A 965, *Specification for Steel Forgings, Austenitic, for Pressure and High Temperature Parts* (new standard).
- C 11-95a, *Terminology Relating to Gypsum and Related Building Materials and Systems* (revised standard).

- C 754-95a (Includes change to title), *Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Board* (revised standard).
- C 781-93, *Practice for Testing Graphite and Boronated Graphite Components for High-Temperature Gas-Cooled Nuclear Reactors* (revised standard).
- D 1945-91, *Test Method for Analysis of Natural Gas by Gas Chromatography* (revised standard).
- E 176-95, *Terminology of Fire Standards* (revised standard).

**The following newly published standards are available from ASTM:**

- B 163-96, *Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes* (revised standard).
- B 868-96, *Practice for Contact Performance Classification of Electrical Connection Systems* (new standard).
- C 1335-96, *Test Method for Measuring the Non-Fibrous Content of Man-Made Rock and Slag Mineral Fiber Insulation* (new standard).
- D 5830-95, *Test Method for Solvents Analysis in Hazardous Waste Using Gas Chromatography* (new standard).
- D 5855-95, *Test Method (Analytical Procedure) for Determining Transmissivity and Storage Coefficient of a Confined Nonleaky or Leaky Aquifer by the Constant Drawdown Method in a Flowing Well* (new standard).
- D 5928-96, *Test Method for the Screening of Waste for Radioactivity* (new standard).
- D 5962-96, *Guide for Maintaining Unqualified Coatings (paints) Within Level I Areas of a Nuclear Power Facility* (new standard).
- E 1686-96, *Guide for Selection of Environmental Noise Measurements and Criteria* (revised).
- E 1797-96, *Specification for Reinforced Liquid Coating Encapsulation Products for Lead Paint in Buildings* (new standard).
- F 1688-96, *Guide for Estimating Oil Spill Recovery System Effectiveness* (new standard).
- PS 14-95, *Practice for Lifecycle Costing for Pollution Prevention* (new standard).

## American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

### American Society of Mechanical Engineers

**Office:** 345 East 47th Street  
New York City, NY 10017

**Contact:** C. J. Gomez

- ASME Y14.100M, *Engineering Drawing Practices* (new standard).

**American Society for Testing and Materials**

**Office:** 100 Barr Harbor Drive  
West Conshohocken, PA 19428-2959

**Contact: George Luciw**

- ASTM Z6259Z, *Test Method for Verified Analysis of Asbestos by Transmission Electron Microscopy* (new standard).

**International Approval Services - U.S., Inc.**

**Office:** 8501 East Pleasant Valley Road  
Cleveland, OH 44131

**Contact: Allen J. Callahan**

- Z21.087/CAN1-4.6, *Automatic Gas Shutoff Devices for Hot Water Supply Systems* (new standard).

**National Association of Corrosion Engineers**

**Office:** P. O. Box 218340  
Houston, TX 77035

**Contact: Stacey Crews**

- NACE MR0175, *Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment* (revision).

**National Fire Protection Association**

**Office:** One Batterymarch Park  
Quincy, MA 02269-9101

**Contact: Arthur E. Cote**

- NFPA 22, *Water Tanks for Private Fire Protection* (revision).
- NFPA 80, *Fire Doors and Fire Windows* (revision).

- NFPA 285, *Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Non-Load Bearing Wall Assemblies Containing Combustible Components Using the Intermediate Scale Multi-Store Test Apparatus* (new standard).

**Underwriters Laboratories, Inc.**

**Office:** 12 Laboratory Drive  
Research Triangle Park, NC 27709-3995

**Contact: Deborah Prince**

- UL 448, *Standard for Safety for Pumps for Fire-Protection Service* (revision).

**Contact: Caren Helms**

- UL 1767, *Early-Suppression Fast-Response Sprinklers* (new standard).

**Comments or Questions**

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), phone 301-903-2856, FAX 301-903-6172, Email **Richard.Serbu@eh.doe.gov**. Questions or comments may also be referred to Don Spellman, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065, phone 423-574-7891, FAX 423-574-0382, Email **spellmandj@ornl.gov**.

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email **lj8@ornl.gov**.



# Standards *Actions*

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